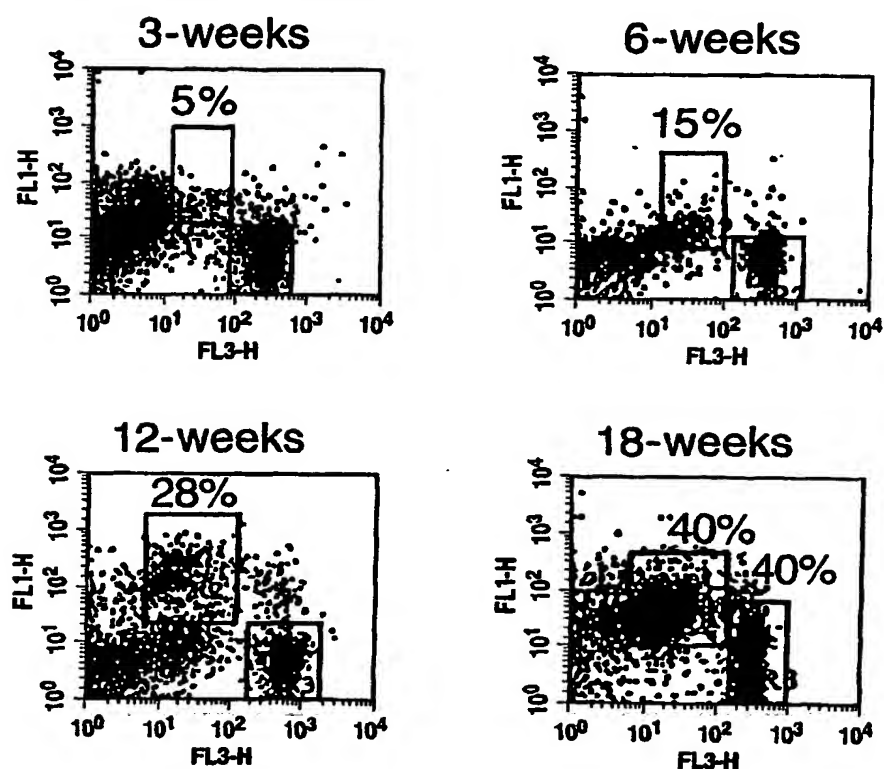
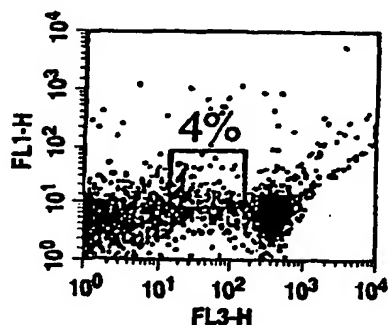
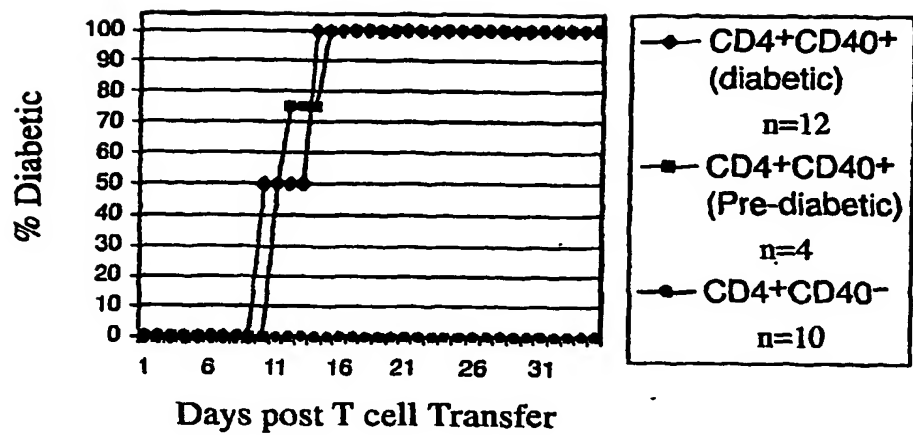


Fig. 1**Auto-aggressive T cells Expand as
Diabetes-Prone Mice Age****A. NOD****B. NOD 12 weeks old after CD40—CD154 is blocked**

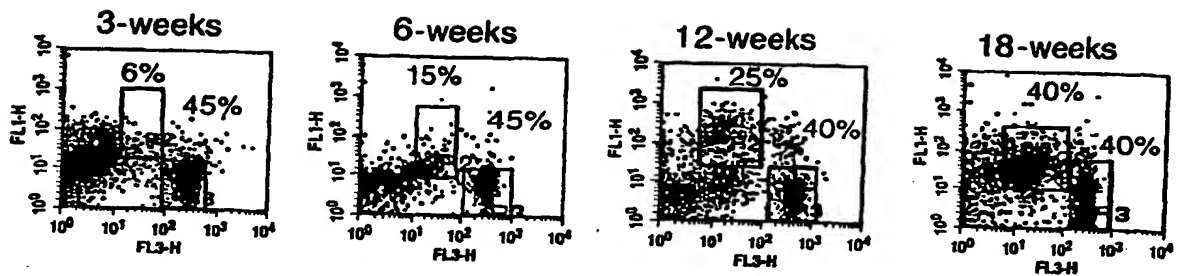
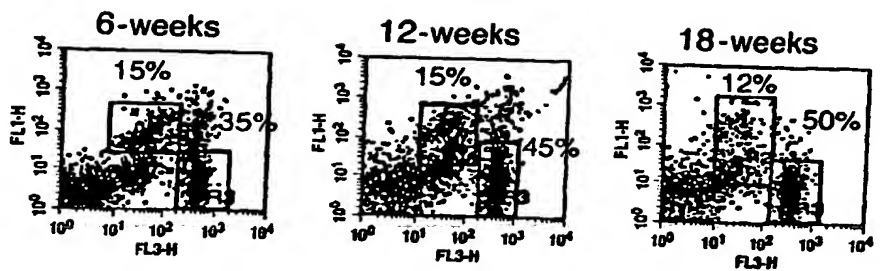
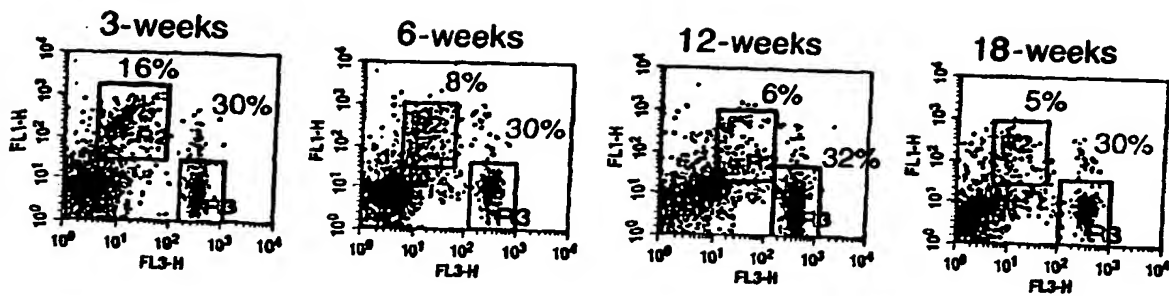
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Fig. 2**A.****B.****CD40⁺ T cells recipients**

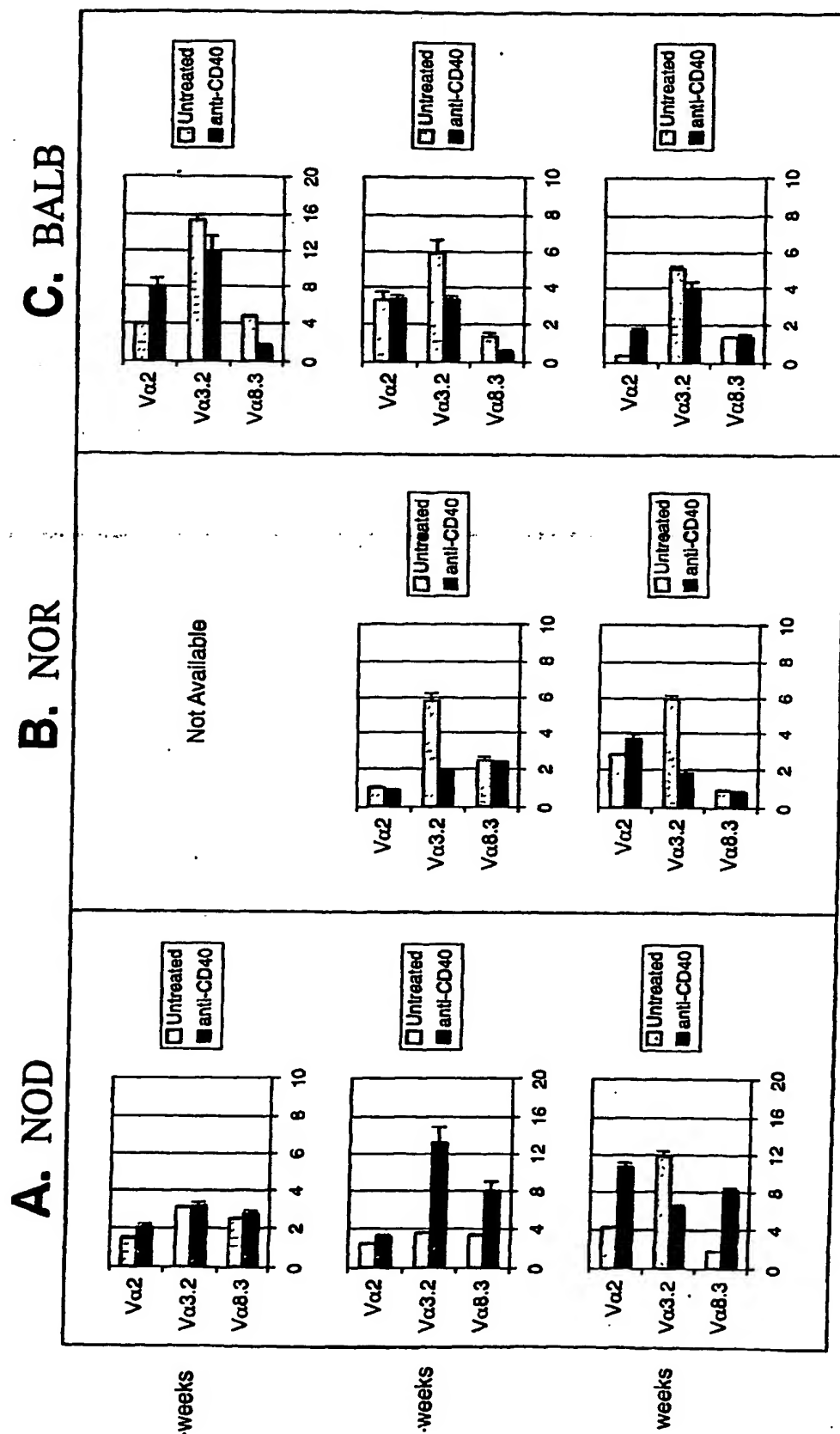
T cell Infiltrated Islets

C.**CD40-depleted T cell recipients**

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Fig. 3**A. NOD****B. NOR****C. BALB/c**

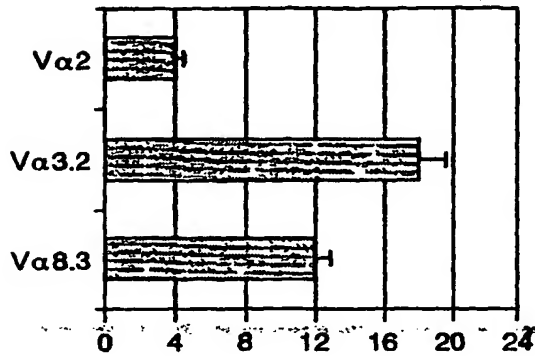
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Fig. 4**Percent $V\alpha^+$ in Gated $CD4^+CD40^+$ T cells**

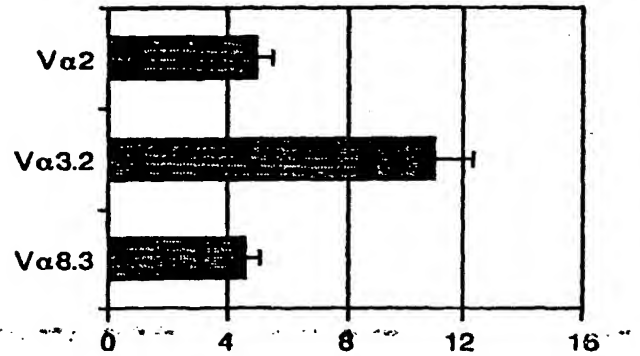
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Fig. 5

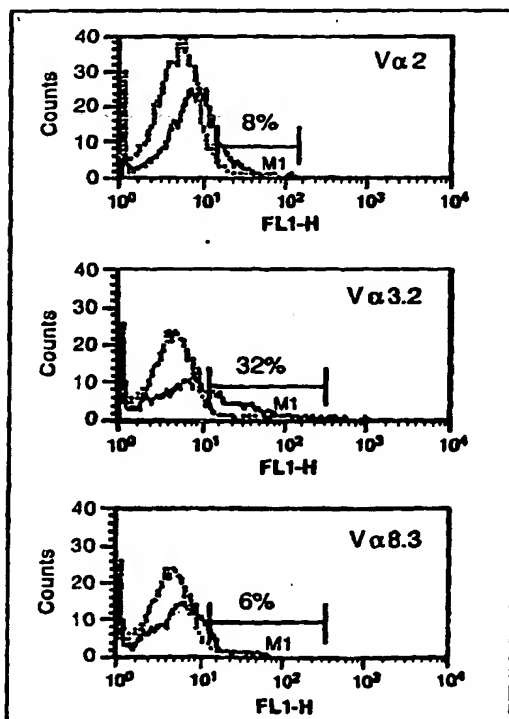
A. $V\alpha^+$ T cells in the $CD4^+CD40^+$ Population of 12-week old, pre-diabetic NODs.



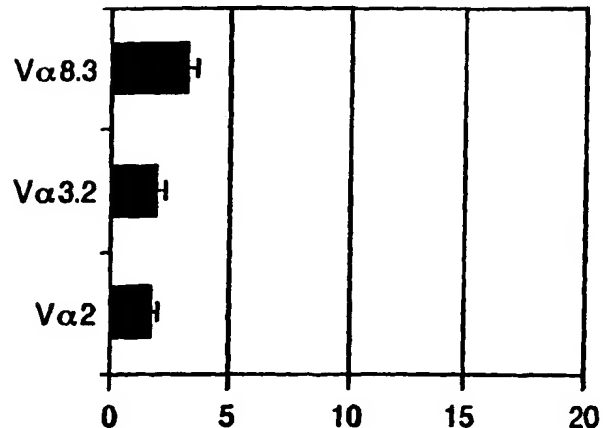
B. $V\alpha^+$ T cells in the $CD4^+CD40^+$ Population of 20-week old, diabetic NODs.



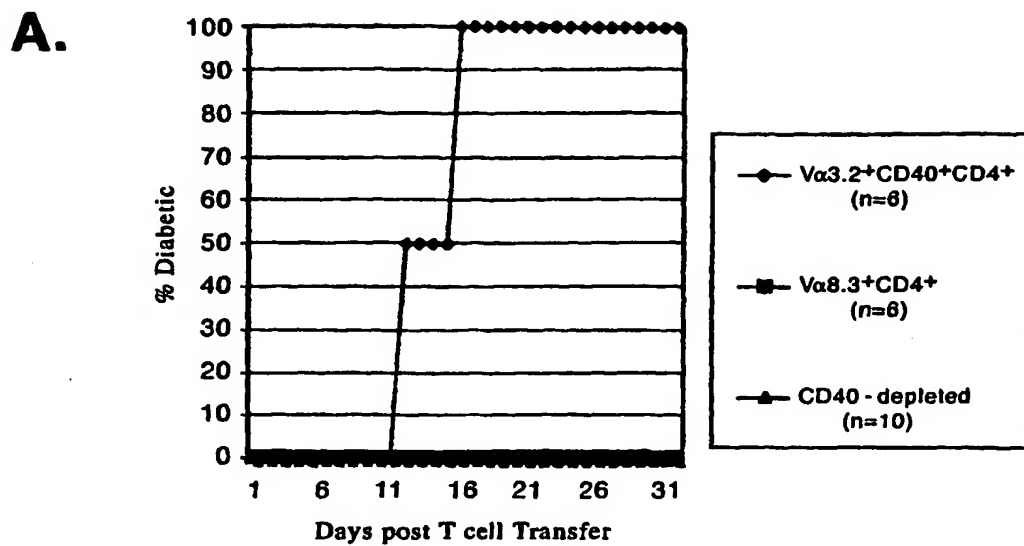
C. $V\alpha^+$ T cells recovered from $CD4^+CD40^+$ transfers into NOD.scid recipients.



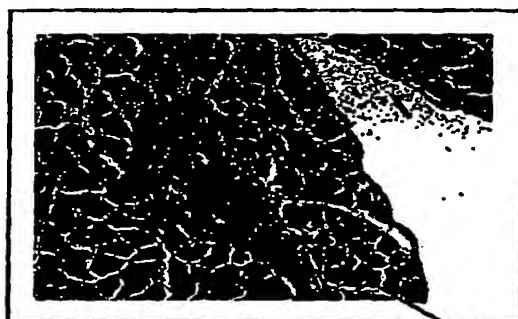
D. $V\alpha^+$ T cells recovered from $CD4^+CD40^-$ transfers into NOD.scid recipients.



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Fig. 6

B. Vα3.2+ Recipients



T cell infiltrates

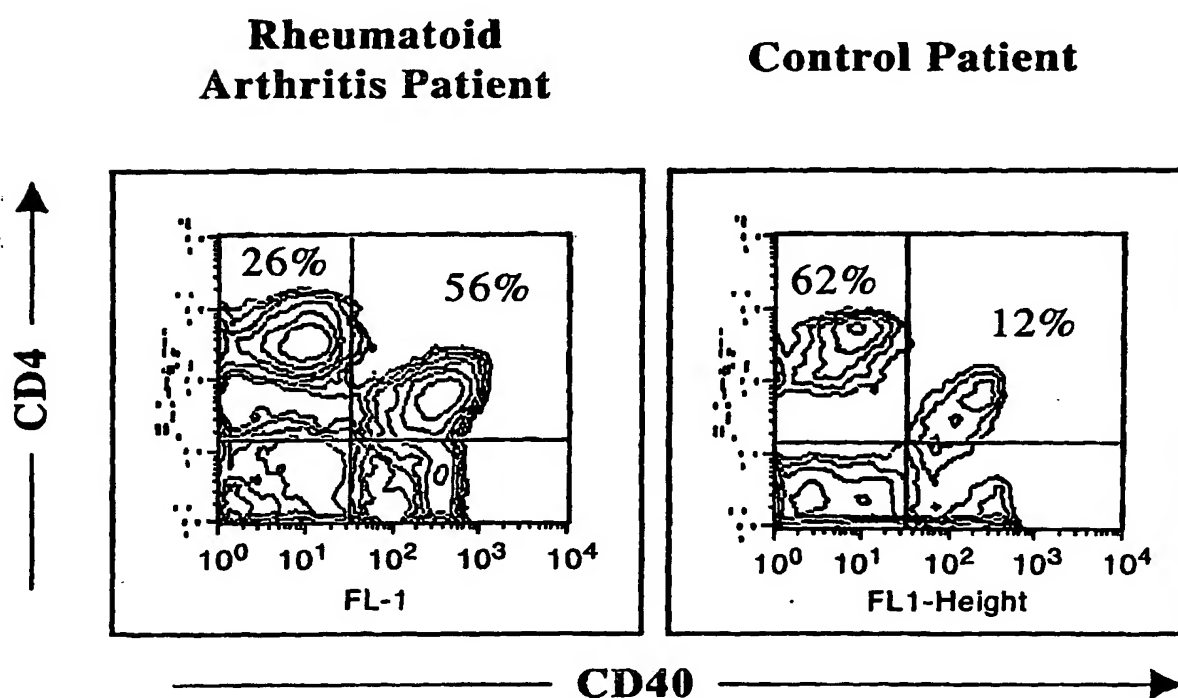
C. Vα8.3+ Recipients



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Fig. 7

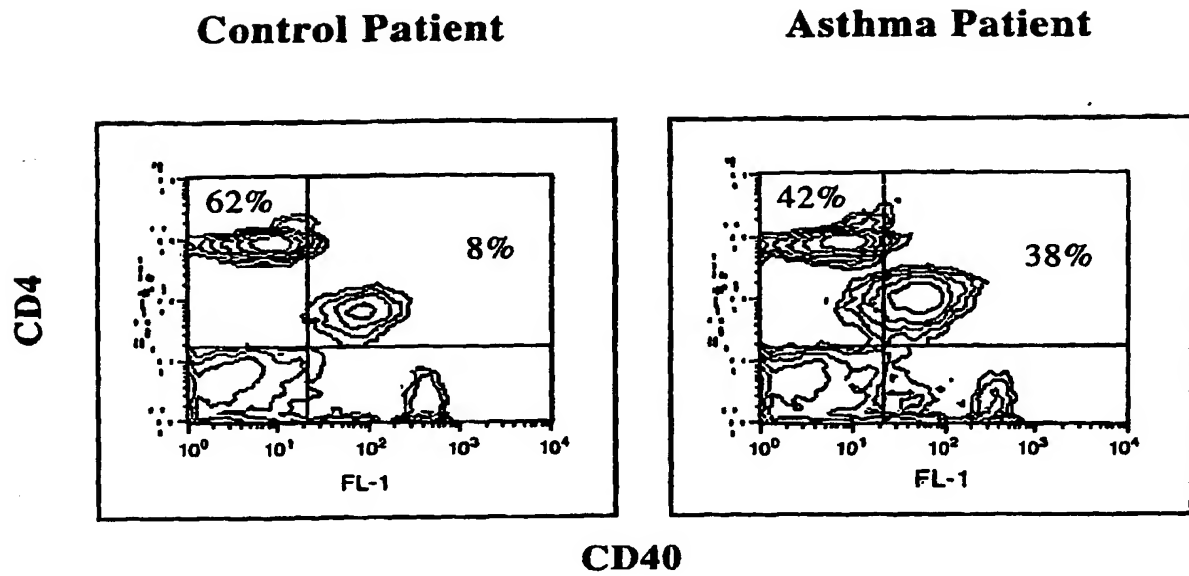
**CD4⁺CD40⁺ T Cell Increases
Are Predictive of Rheumatoid Arthritis**



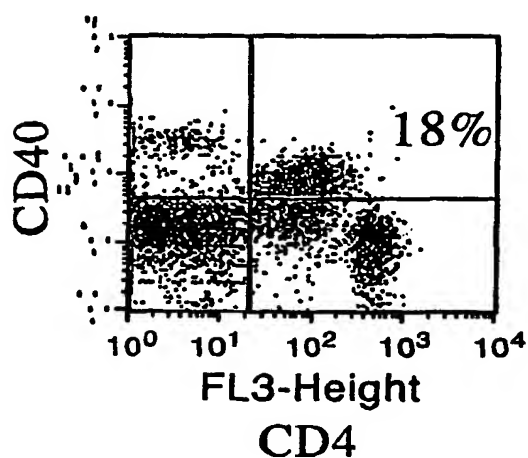
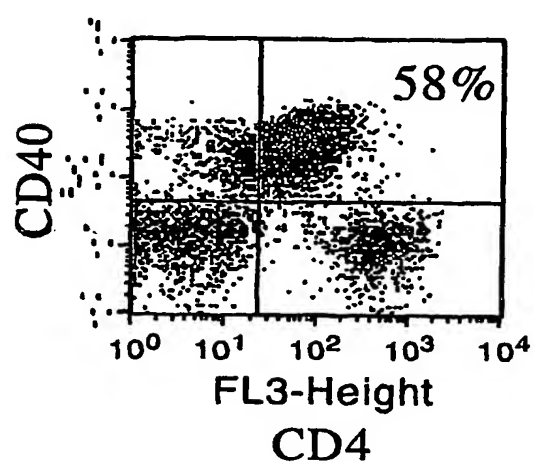
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Fig. 8

**CD4⁺CD40⁺ T Cell Increases
Are Predictive of Asthma**



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Fig. 9**A. Non-Diabetic Human Patient****B. Diabetic Human Patient****C. %CD4+CD40+ T cells in Diabetic versus Non-Diabetic Patients**